

2010020" SEE 00001

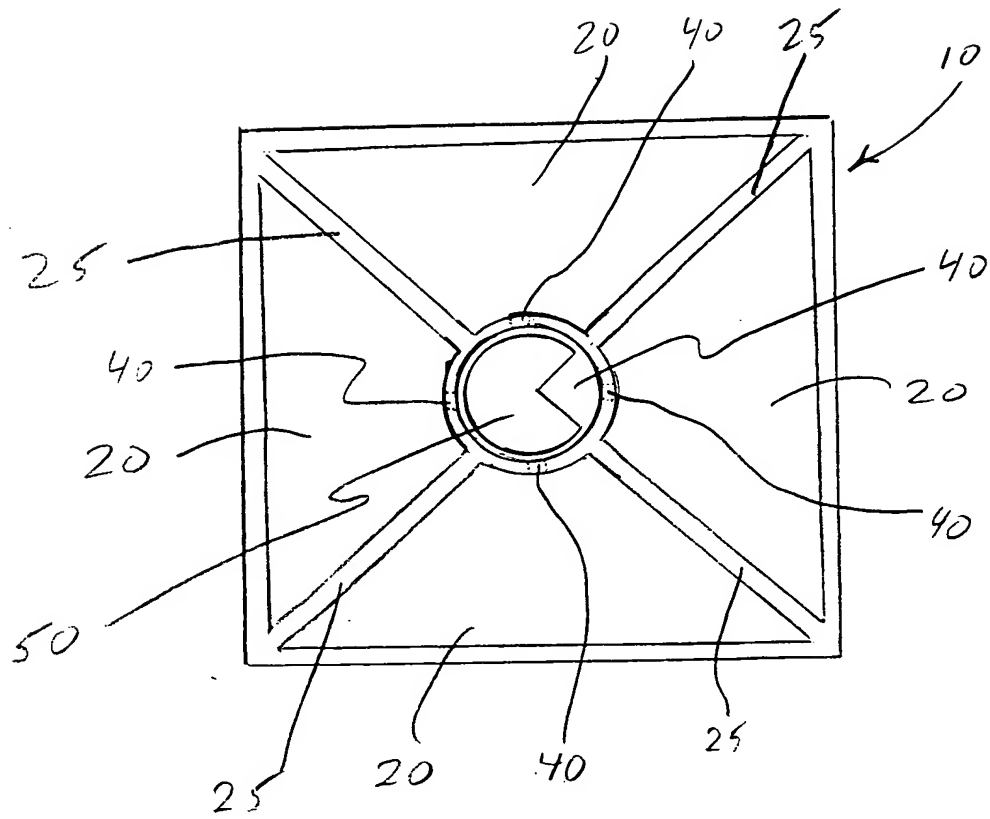


Fig. 1

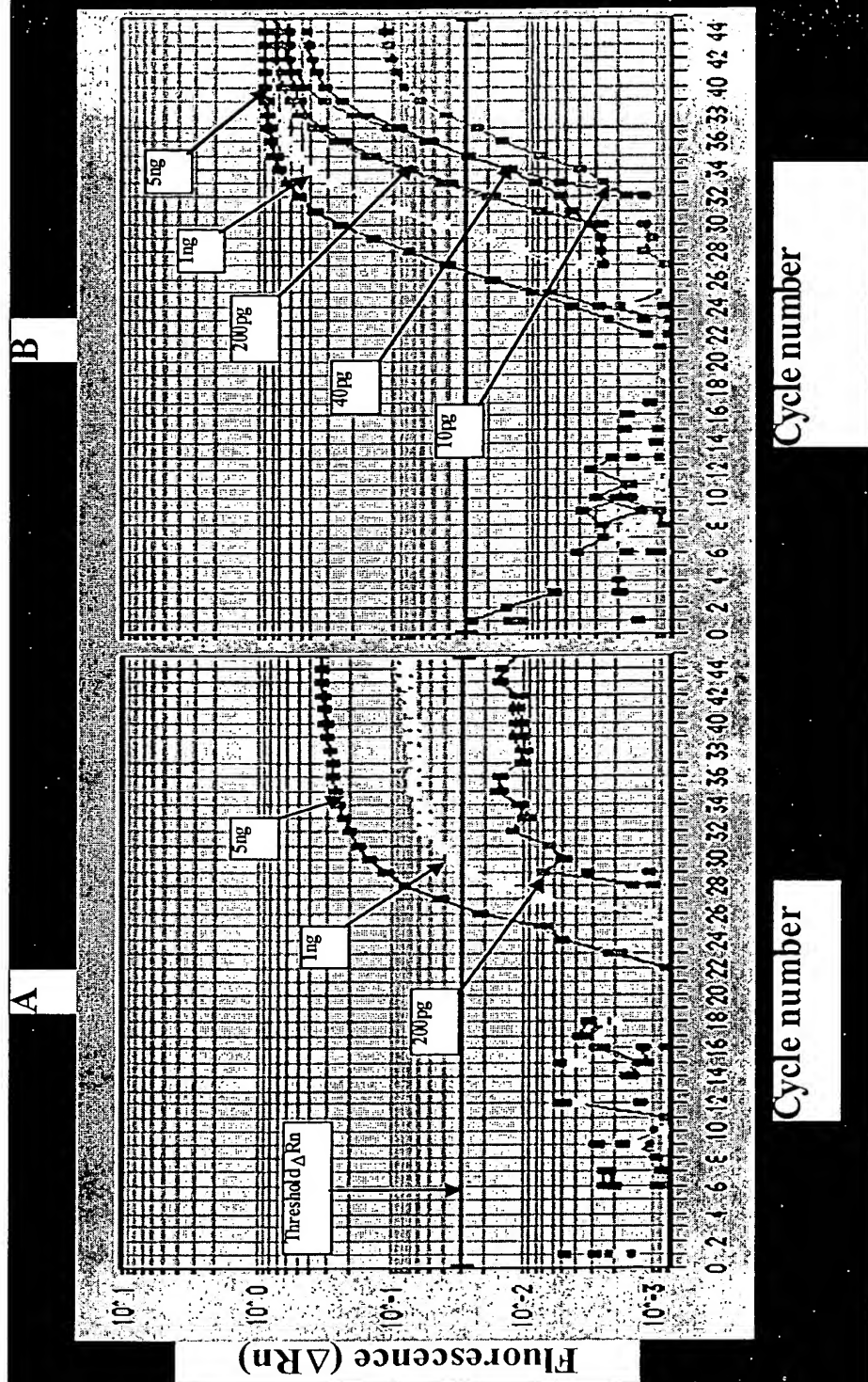


Fig. 2

1

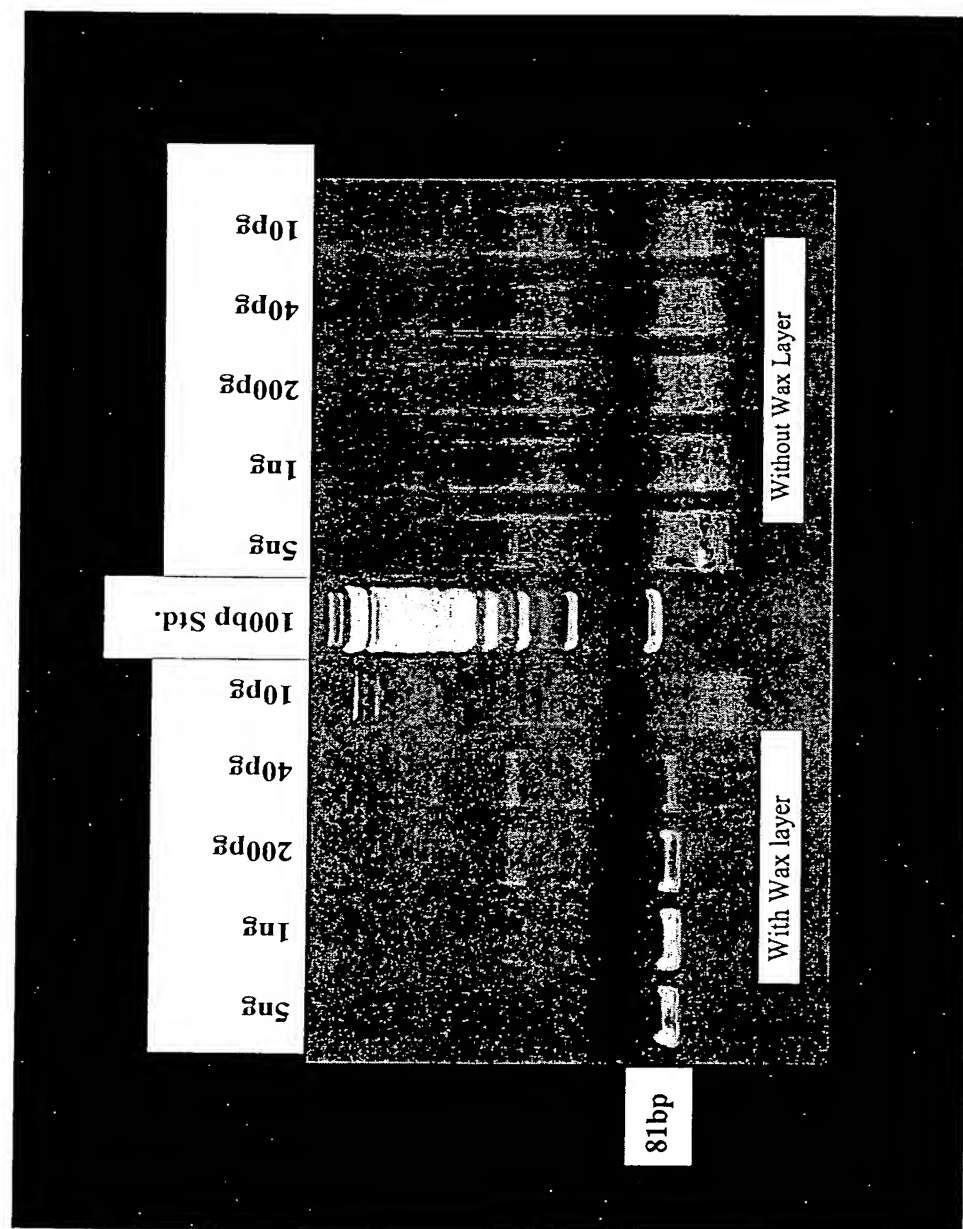


Fig. 3

3/18

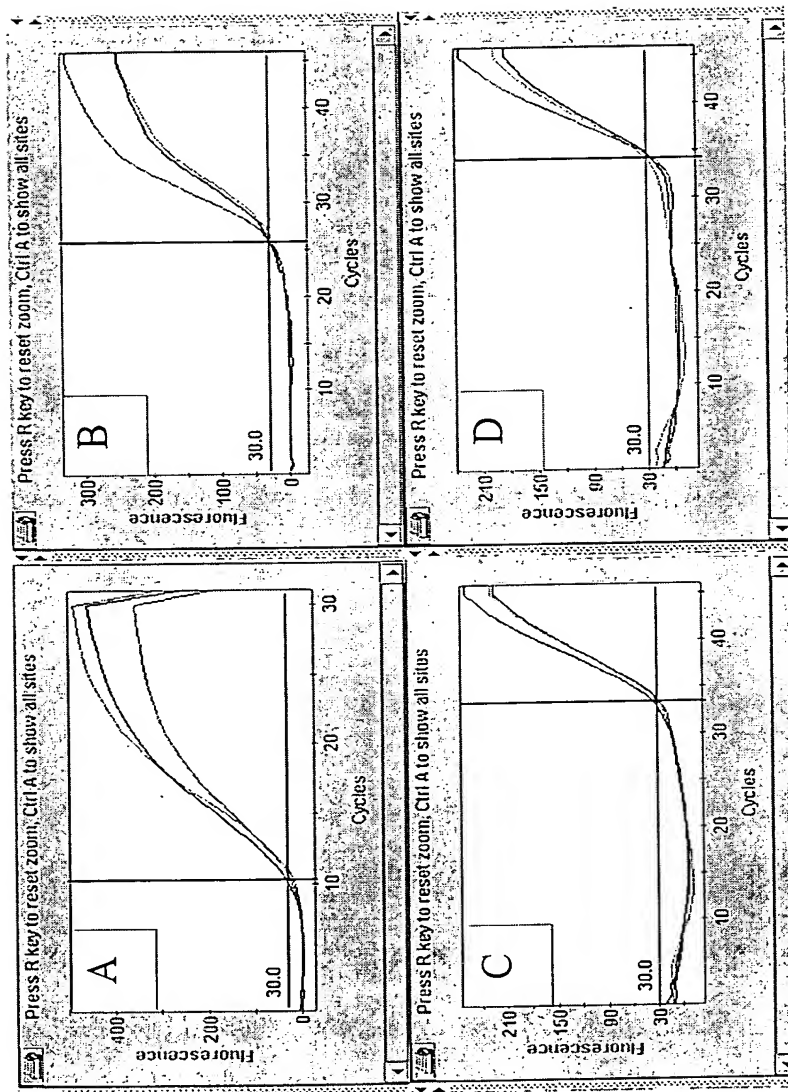


Fig. 5

(SEQ ID NO: 1)

```

1  ctcagggcag agggaggaag gacagcagac cagacagtca cagcagcctt gacaaaacgt
61  tcctggaact caagctcttc tccacagagg aggacagagc agacagcaga gaccatggag
121 tctccctcgg cccctcccca cagatgggtgc atcccctggc agaggctcct gctcacagcc
181 tcacttctaa ccttctggaa cccgcccacc actgccaaagc tcactattga atccacgccg
241 ttcaatgtcg cagaggggaa ggaggtgctt ctacttgtcc acaatctgcc ccagcatctt
301 tttggctaca gctggtacaa aggtgaaaga gtggatggca accgtcaaat tataggata
361 gtaataggaa ctcaacaagc taccocaggg cccgcataca gtggtcgaga gataatatac
421 cccaatgcat ccctgctgat ccagaacatc atccagaatg acacaggatt ctacacccta
481 cagtcataaa agtcagatct tgtgaatgaa gaagcaactg gccagttccg ggtatacccg
541 gagtgccca agccctccat ctccagcaac aactccaaac ccgtggagga caaggtatgct
601 gtggccttca cctgtgaacc tgagactcag gacgcaacct acctgtggtg ggtaaacaaat
661 cagagcctcc cggtcagtc caggctgcag ctgtccaatg gcaacaggac cctcactcta
721 ttcaatgtca caagaaatga cacagcaagc taaaaatgtg aaaccagaa cccagtga
781 gccaggcgca gtgattcagt catcctgaat gtcctctatg gcccgatgc cccaccatt
841 tcccctctaa acacatctta cagatcaggg gaaaatctga acctctcctg ccacgcagcc
901 tctaaccac ctgcacagta ctcttggttt gtcaatggga cttccagca atccacccaa
961 gagctcttta tcccaacat cactgtgaat aatagtggat cctatactg ccaagcccat
1021 aactcagaca ctggcctcaa taggaccaca gtcacgacga tcacagtcta tgcagagcca
1081 cccaaaccct tcatcaccag caacaactcc aaccccgagg aggatgagga tgctgtagcc
1141 ttaacctgtg aacctgagat tcagaacaca acctacctgt ggtgggtaaa taatcagagc
1201 ctcccggtca gtcccaggct gcagctgtcc aatgacaaca ggaccctcac tctactcagt
1261 gtcaacaagga atgatgtagg accctatgag tgtggaatcc agaacaaatt aagtgttgac
1321 cacagcgacc cagtcactct gaatgtctc tatggcccag acgacccac catttcccc
1381 tcatacacct attaccgtcc aggggtgaac ctacgcctct cctgccatgc agcctctaac
1441 ccacctgcac agtattcttg gctgattgat gggaacatcc agcaacacac acaagagctc
1501 tttatctcca acatcactga gaagaacagc ggactctata cctgccaggc caataactca
1561 gccagtggcc acagcaggac tacagtcaag acaatcacag tctctgcgga gctgcccaag
1621 ccctccatct ccagcaacaa ctccaaaccc gtggaggaca aggatgctgt ggccctcacc
1681 tgtgaacctg aggtcagaa cacaacctac ctgtggtggg taaatggta cagcctccca
1741 ttcagtccca ggctgcagct gtccaatggc aacaggaccc tcactctatt caatgtcaca
1801 agaaatgacg caagagccta tgtatgtgga atccagaact cagtgaatgc aaaccgcagt
1861 gaccagtcac ccctggatgt cctctatggg ccggacaccc ccatcatttc cccccagac
1921 tcgtcttacc tttcgggagc gaacctcaac ctctcctgcc actcggcctc taacctatcc
1981 ccgcagtatt cttggcgtat caatgggata ccgcagcaac acacacaagt tctctttatc
2041 gccaaaatca cgccaaataa taacgggacc tatgcctgtt ttgtctctaa cttggctact
2101 ggccgcaata attccatagt caagagcctc acagtctctg catctggaac ttctcctggt
2161 ctctcagctg gggccactgt cggcatcatg attggagtgc tgggtggggg tgctctgata
2221 tagcagccct ggtgtagttt cttcatttca ggaagactga cagttgtttt gcttcttctc
2281 taaagcattt gcaacagcta cagtctaaaa ttgcttcttt accaaggata tttacagaaa
2341 agactctgac cagagatcga gaccatccta gccaacatcg tgaaccccca tctctactaa
2401 aaatacaaaa atgagctggg ctgtgtggcg cgcacctgta gtcccagtta ctogggaggc
2461 tgaggcagga gaatcgcttg aaccogggag gtggagattg cagtgaagcc agatcgaccc
2521 actgcactcc agtctggcaa cagagcaaga ctccatctca aaaagaaaag aaaagaagac
2581 tctgacctgt actcttgaat acaagtttct gataccactg cactgtctga gaatttccaa
2641 aactttaatg aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa
2701 taattaatth catgggacta aatgaactaa tgaggattgc tgattcttta aatgtcttgt
2761 ttcccagatt tcaggaaact ttttttcttt taagctatcc acagcttaca gcaatttgat
2821 aaaatatact tttgtgaaca aaaattgaga catttacatt ttctccctat gtggtcgctc
2881 cagacttggg aaactattca tgaatattha tattgtatgg taatatagtt attgcacaag
2941 ttcaataaaa atctgctctt tgtatgacag aatac

```

20130727 09:00:00

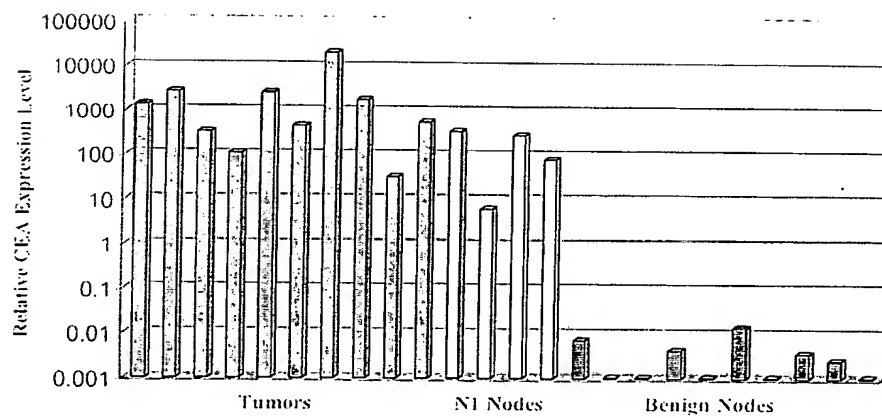


Fig. 6

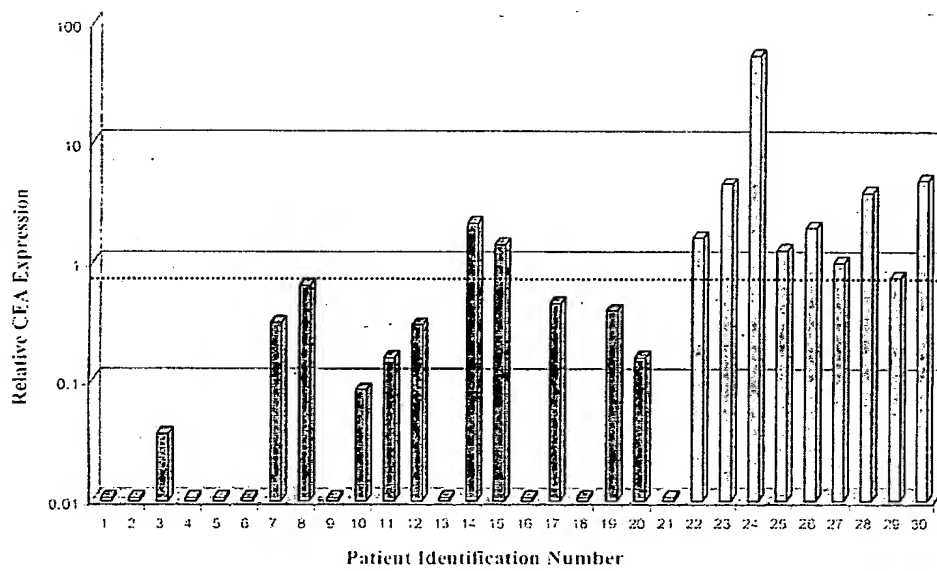


Fig.7

Fig 8A

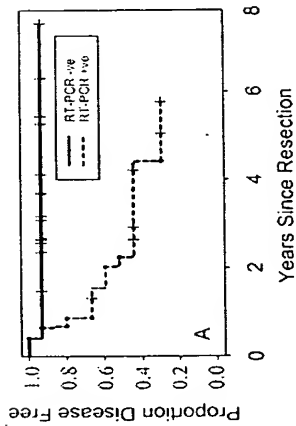


Fig. 8B

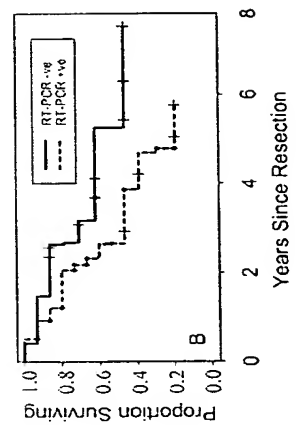


Fig. 8C

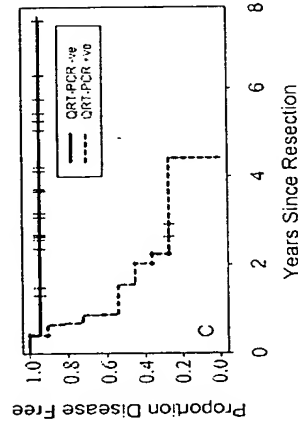
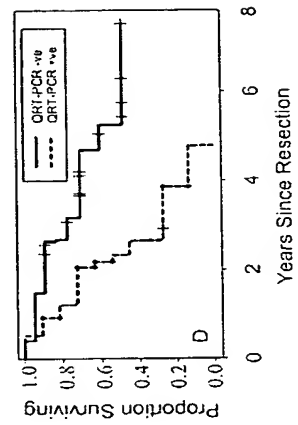


Fig. 8D





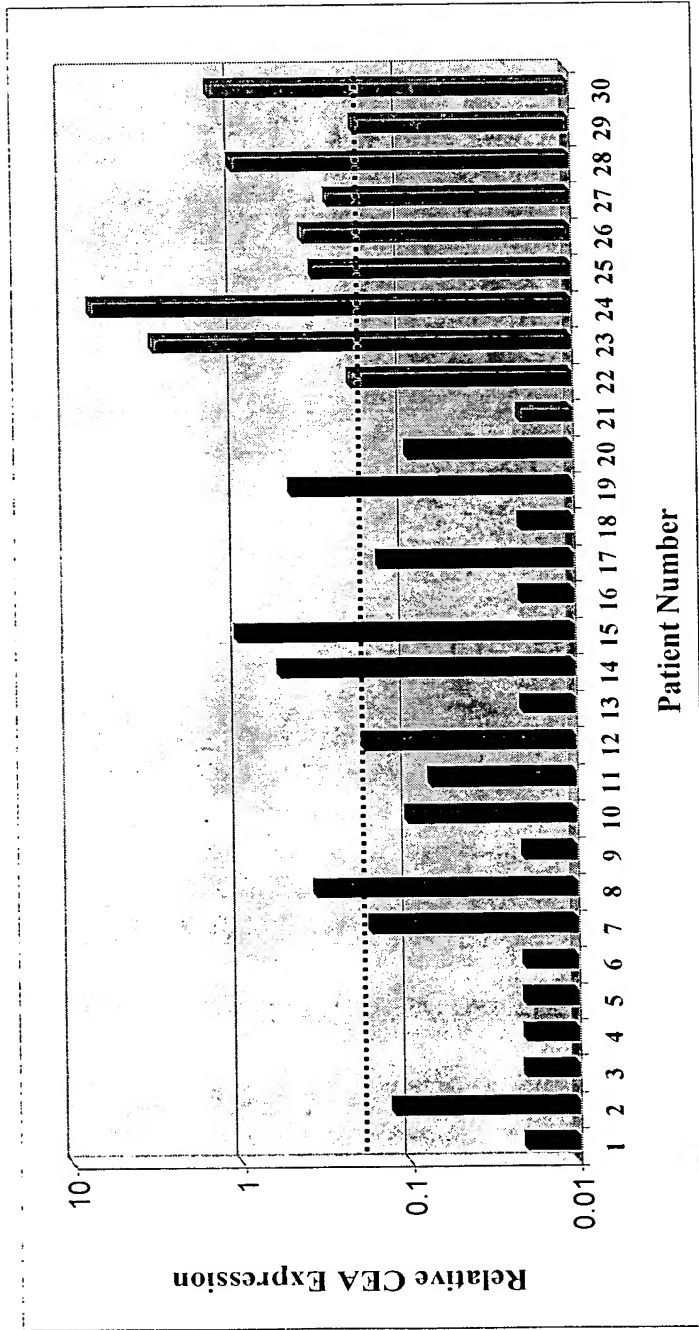


Fig. 9

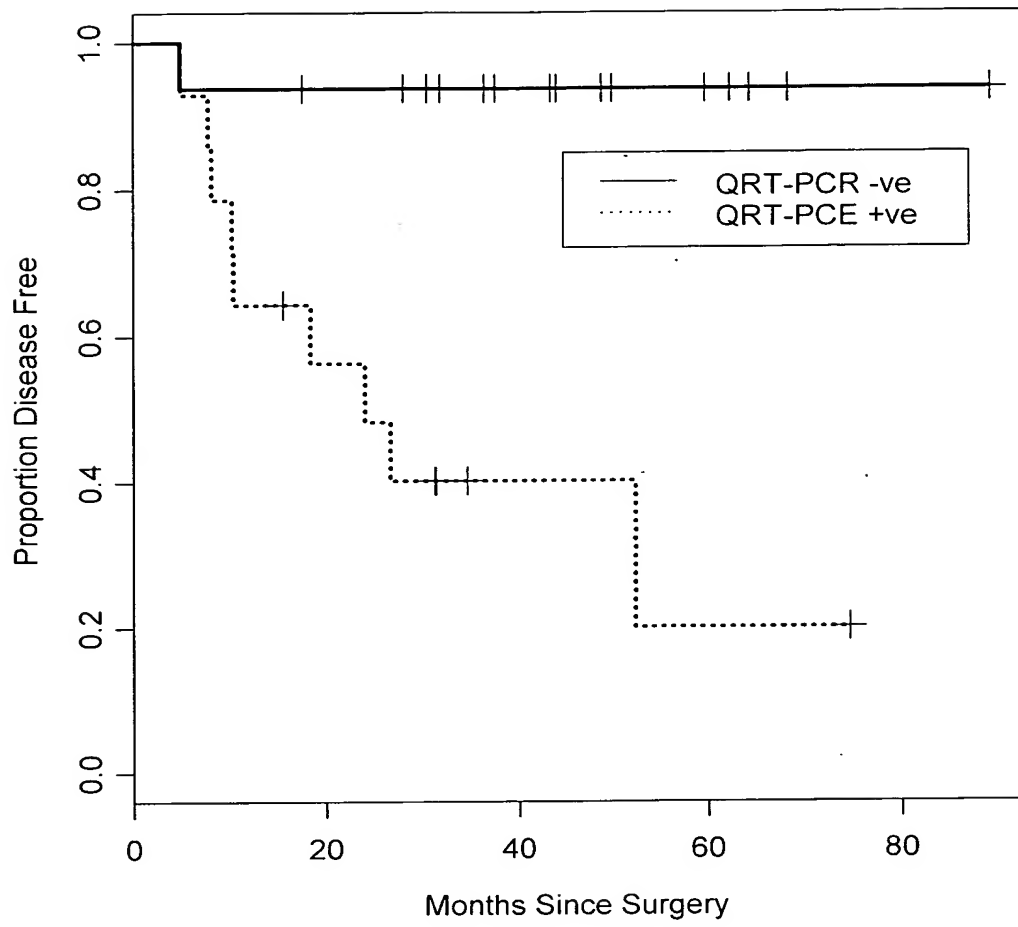


Fig. 10

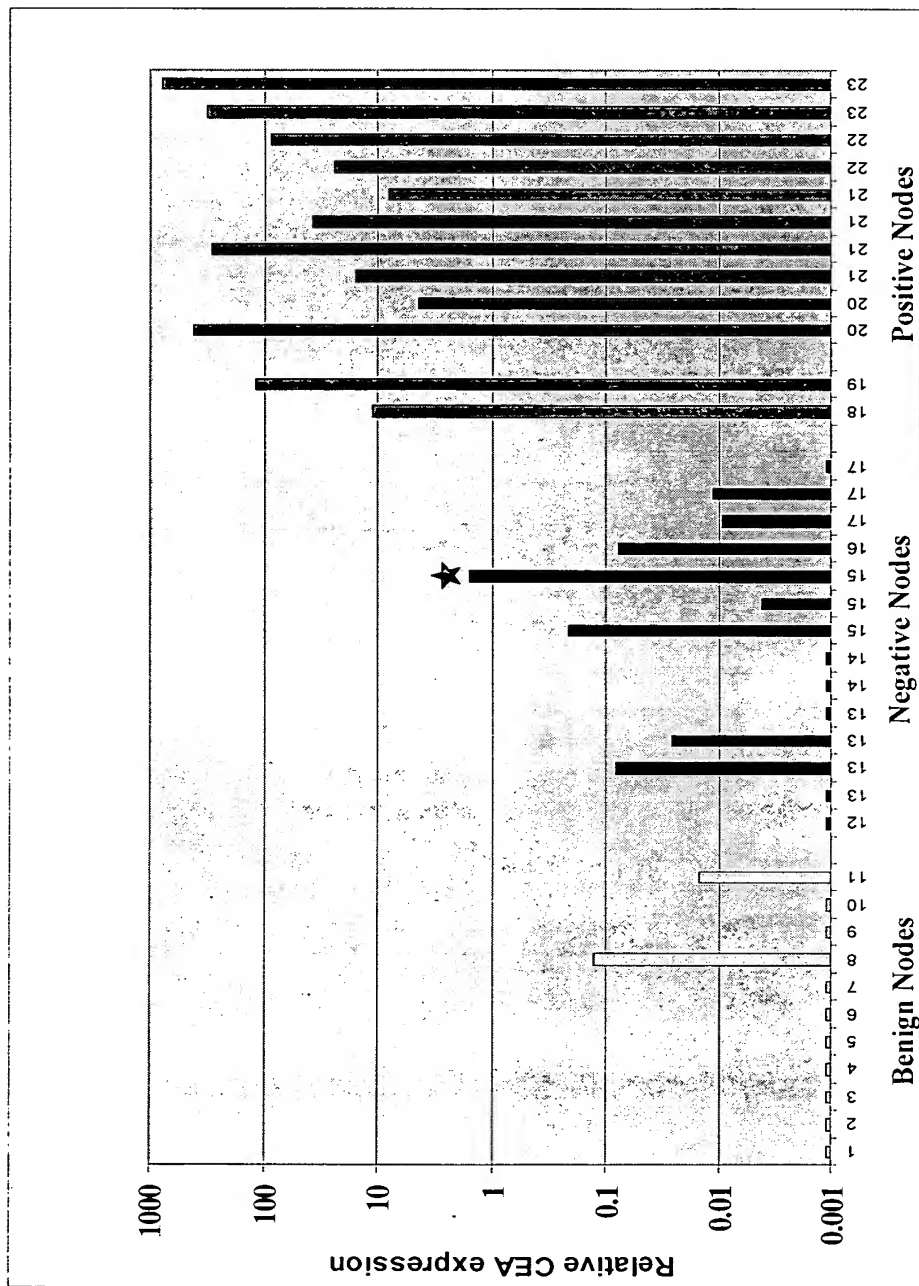


Fig. 11

Fig. 12A

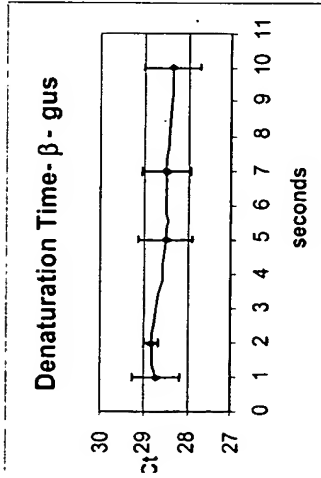


Fig. 12B

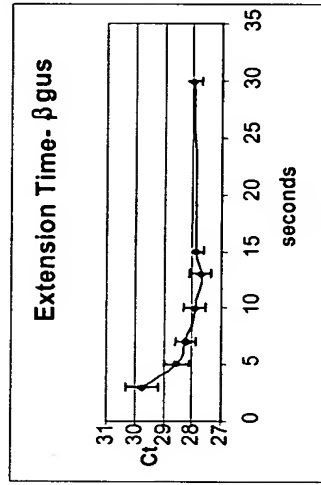
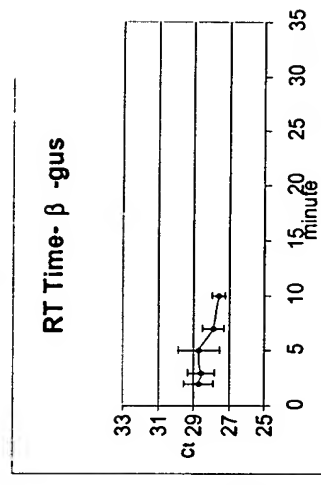
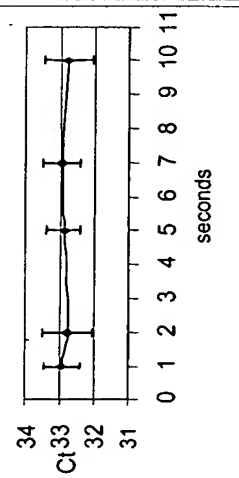


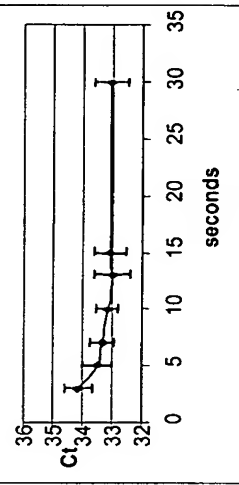
Fig. 12C



Denaturation Time-CEA



Extension Time-CEA



RT Time-CEA

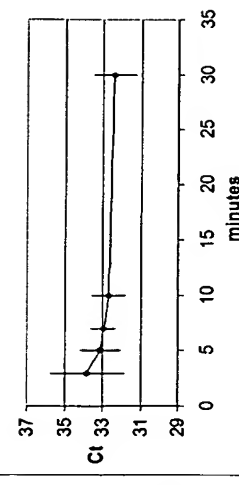


Fig. 13

### Conventional vs Rapid PCR

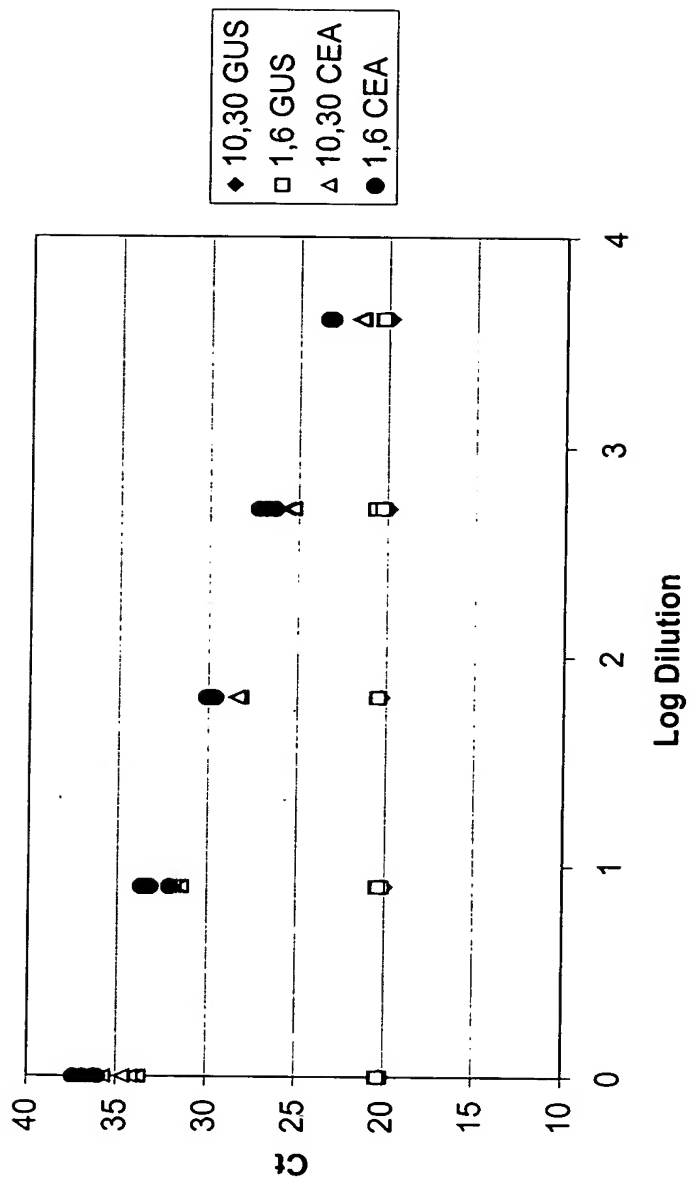


Fig. 14

# $\beta$ -GUS and CEA RT-PCR

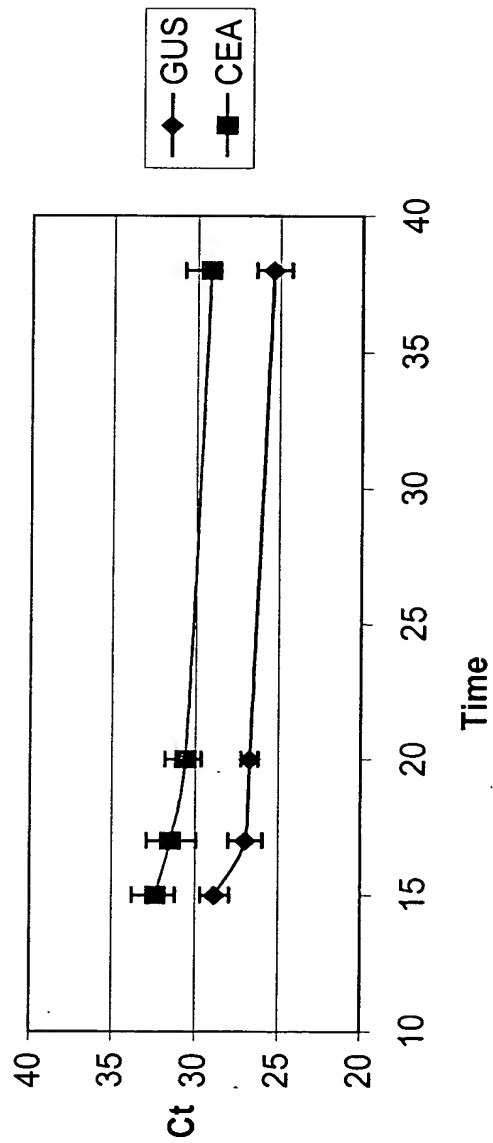


Fig. 15

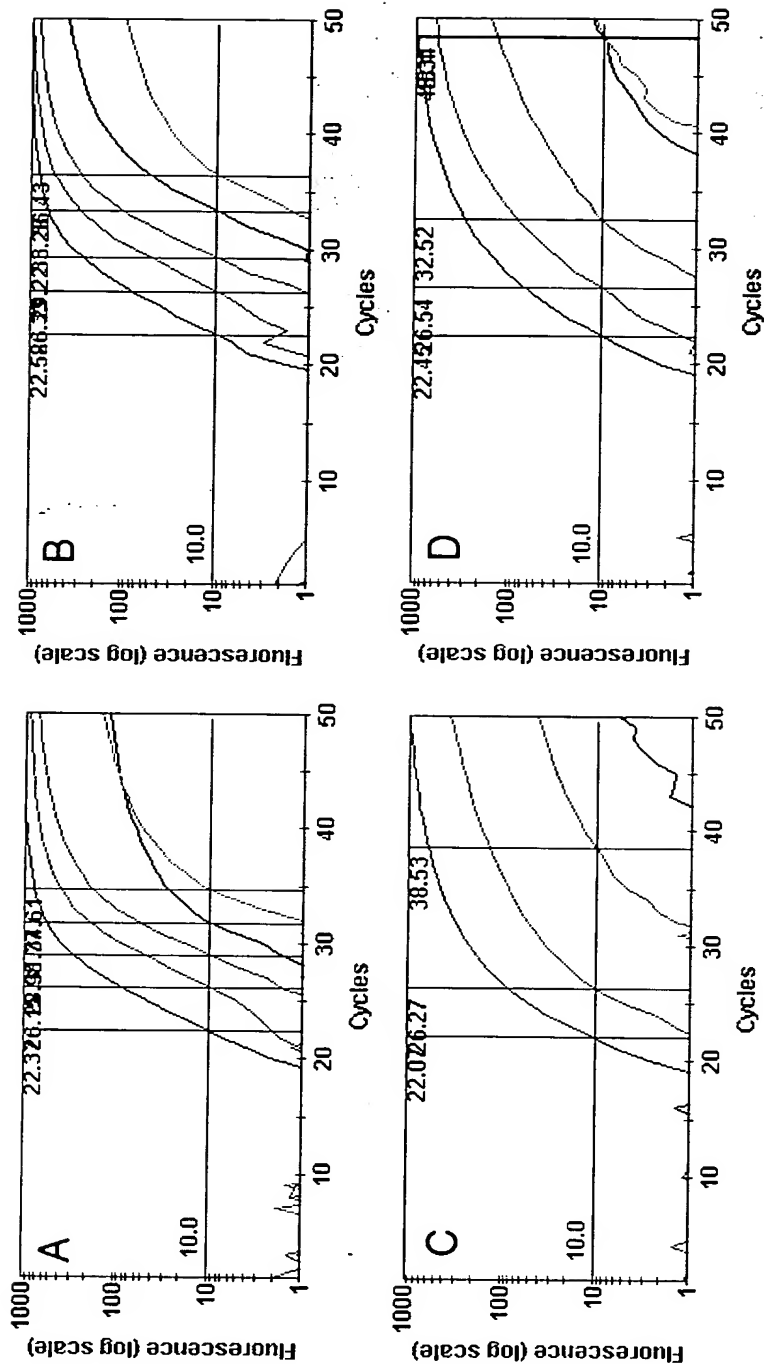


Fig. 16

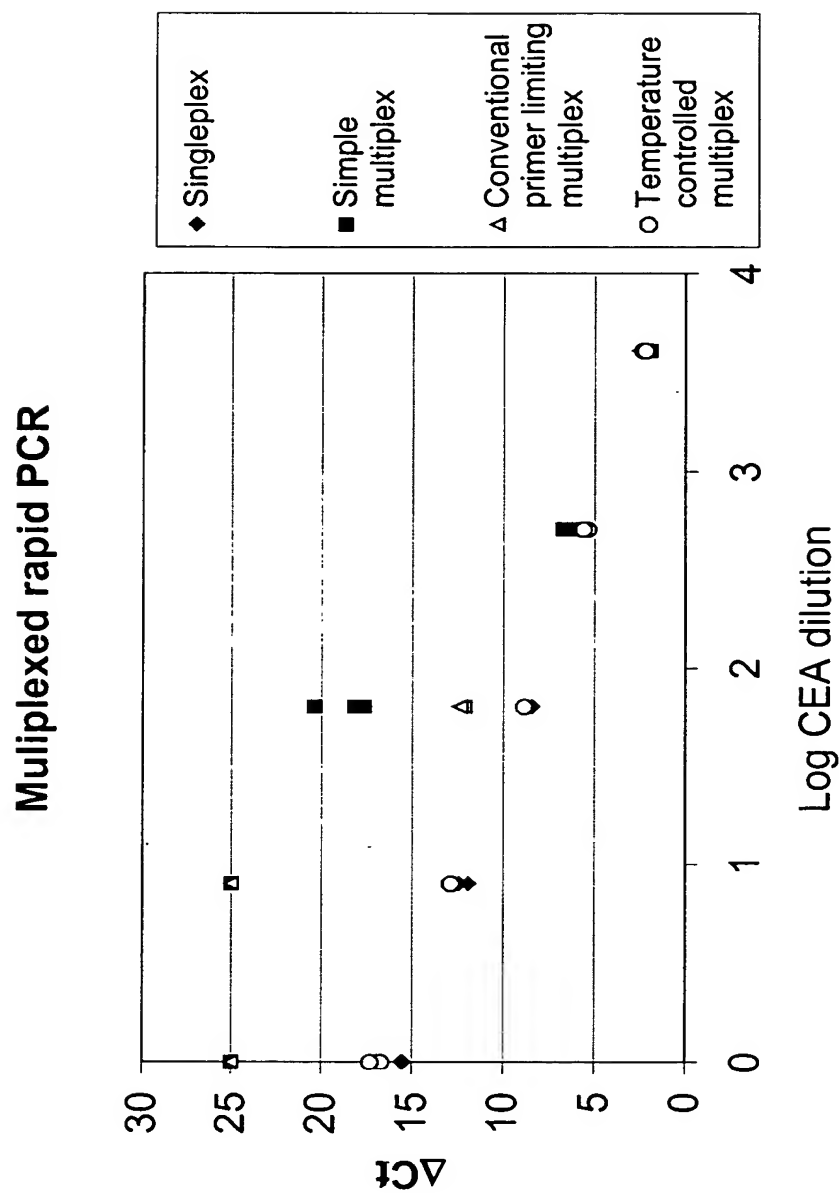




Fig. 17

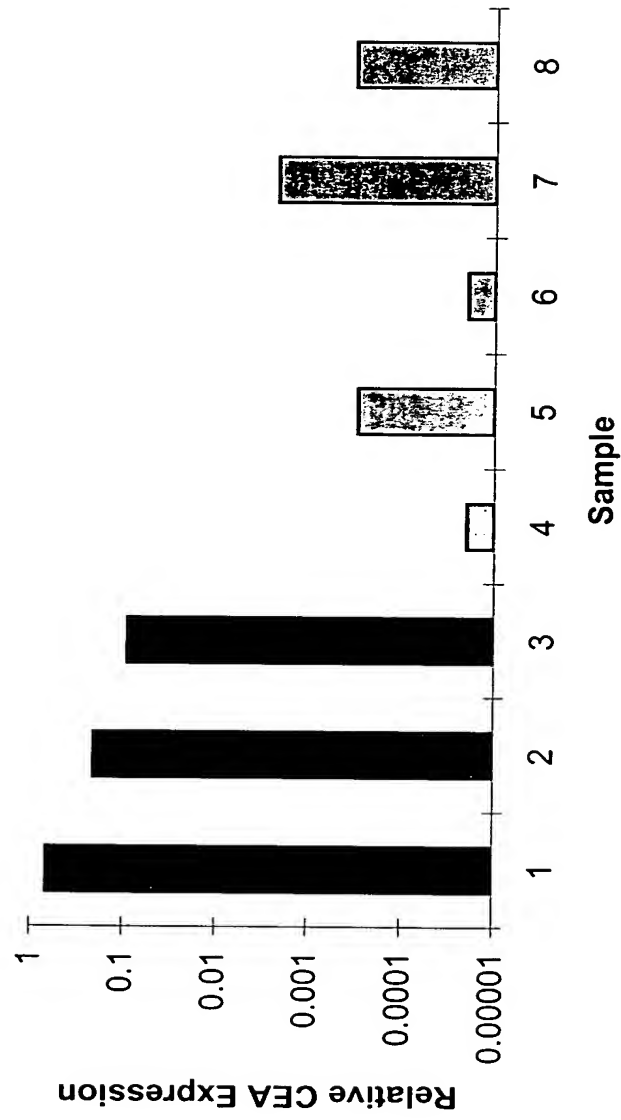


Fig. 18

